From:

Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Sent:

Monday, August 14, 2017 7:53 AM

To:

Dunneback, Michael

Cc:

Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan,

Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE

Subject:

RE: USS Lead: Designs for nonresponsive

Thank you Mike.

From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]

Sent: Monday, August 14, 2017 8:51 AM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE

<Beth.Rohde@CH2M.com>

Subject: RE: USS Lead: Designs for nonresponsive [E]

[EXTERNAL]

Hi Theo,

Yes, Paul and I discussed the ability to have the pre-con meetings for nonresponsive and indicated to Paul, the swap-out change to responsive and nonresponsive is acceptable.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Monday, August 14, 2017 7:19 AM

To: Dunneback, Michael <dunneback.michael@epa.gov>

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<Beth.Rohde@CH2M.com>

Subject: RE: USS Lead: Designs for onresponsive and nonresponsive

Thank you Mike. I believe Paul has mentioned to you that in the intervening time we were able to get pre-construction meetings schedule at the two properties proposed below for swapping out (nonresponsive and nonresponsive and nonresponsive

Apologies for the confusion, however we have been make a push to get remaining pre-construction meetings scheduled. So, those have been occurring at an accelerated rate recently.

Thank you, Theo

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From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]

Sent: Tuesday, August 08, 2017 10:17 AM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Rolfes, Sarah < Rolfes. Sarah@epa.gov >; Drexler, Timothy < drexler.timothy@epa.gov >; Arps, Paul/MKE < Paul.Arps@CH2M.com >; Watkins, Timothy/DET < Timothy.Watkins@CH2M.com >; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Rohde, Beth/MKE < Beth.Rohde@CH2M.com >

Subject: RE: USS Lead: Designs for one and nonresponsive [EXTERNAL]

Good Morning Theo,

I concur with the swap out of these properties. Please proceed with incorporating the replacement properties into the 2017 schedule.

Cordially,

Mike Dunneback

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Subject: RE: USS Lead: Designs for nonresponsive

Mike D.,

We propose removing nonresponsive and nonresponsive (both non-high priority; non-responsive) from the 2017 program and replacing them with nonresponsive and nonresponsive (both high priority) per Tim's email below. Please indicate your concurrence and we will proceed with modifying Arrowhead's subcontract accordingly.

Thank you,

Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, August 03, 2017 1:55 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>;

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Subject: FW: USS Lead: Designs for onesponsial and nonresponsive [EXTERNAL]

Hi Mike: Attached are two properties on properties on that have been identified as priority based on the presence of small children. We'd like to move them into the 2017 program. I understand that you'll need EPA PO approval.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Thursday, August 03, 2017 12:29 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Hassan, Jacob <hassan.jacob@epa.gov>; Haag, Daniel

<Haag.Daniel@epa.gov>

Cc: Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>

Subject: FW: USS Lead: Designs for or or one and nonresponsive

Tim, Dan, and Jacob: The final designs for two properties where we recently learned small children reside are attached along with the access agreements for these properties. The access agreements for these properties date back to December 2014, so the remedial contractor should check with the county tax assessor to see if property ownership has changed.

Thanks, Rik

From: Jacki Shepherd

Sent: Thursday, August 3, 2017 10:52 AM

To: Rik Lantz <rlantz@scst.com>

Subject: FW: USS Lead: Designs for onresponsi and onresponsi on onresponsive

Final designs are attached.

Thanks,

Jacki Shepherd

GIS Analyst, Database Manager

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Sent: Tuesday, August 1, 2017 2:54 PM

To: Rik Lantz <rlantz@scst.com>

Cc: Jacki Shepherd < jshepherd@scst.com >; Matt Bizjack < mbizjack@scst.com >; Rolfes, Sarah < Rolfes.Sarah@epa.gov >

Subject: RE: USS Lead: Designs for onesponsive and nonresponsive

Wonderful. Thanks, Rik.

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Tuesday, August 01, 2017 2:49 PM

To: Drexler, Timothy < drexler.timothy@epa.gov>

Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>

Subject: FW: USS Lead: Designs for onresponsive

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Thanks, Rik

From: Jacki Shepherd

Sent: Tuesday, August 1, 2017 2:16 PM

To: Rik Lantz < rlantz@scst.com>

Subject: RE: USS Lead: Designs for nonresponsive

They both just need a few changes due to manual excavation and then final proofing.

Jacki Shepherd

GIS Analyst, Database Manager

From: Rik Lantz

Sent: Tuesday, August 1, 2017 2:00 PM
To: Jacki Shepherd < ishepherd@scst.com>

Subject: FW: USS Lead: Designs for onresponsive and nonresponsive

Jacki: Have we designs for these? If not, how far along are they?

Rik

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Sent: Tuesday, August 1, 2017 1:43 PM

To: Rik Lantz < riantz@scst.com >; Matt Bizjack < mbizjack@scst.com >

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Pope, Janet <<u>Pope Janet@epa.gov</u>>; Rodriguez, Charles

<rodriguez.charles@epa.gov>

Subject: USS Lead: Designs for onesponsive and nonresponsive

Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

From:

Dunneback, Michael

Sent:

Wednesday, August 23, 2017 7:10 AM

To:

Von Wallmenich, Theo/DET; Drexler, Timothy

Cc:

Rolfes, Sarah; Shanahan, Michael/SAC; Arps, Paul/MKE; Watkins, Timothy/DET; Lehman,

Michael/MKE

Subject:

RE: USS Lead: Newly identified priority property at nonresponsive

Theo,

I concur with the proposed swap of properties. Please move forward with making the necessary changes to incorporate nonresponsive into the schedule. Also, it is noted that this is the last substitution possible in 2017 without altering commitments.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Tuesday, August 22, 2017 4:43 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Arps, Paul/MKE

<Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Lehman, Michael/MKE

<Michael.Lehman@CH2M.com>

Subject: RE: USS Lead: Newly identified priority property at formesponsive

Thanks Tim. As we discussed, we will plan to substitute in when the final design and access agreement are received, and there is just one correction (typo): the substitute out unresponsive property is substitute on preconstruction meetings completed to date this will be the last substitutions possible in 2017 without altering commitments to property owners for 2017.

Mike D. – please indicate your concurrence with this substitution.

Thanks.

Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, August 22, 2017 12:52 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Subject: USS Lead: Newly identified priority property at [OTTO SPONS TO STREET PROPERTY AT [OTTO SPONS TO ST

Hi Theo: I sent TetraTech a request for a Remedial Design at overesponsive owned by Mr. overesponsive Please add this to the 2017 list, replacing the unresponsive property at overesponsive as a priority property due to small children. I would like

-Tim

From:

Dunneback, Michael

Sent:

Monday, August 14, 2017 7:51 AM

To:

Von Wallmenich, Theo/DET

Cc:

Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan,

Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE

Subject:

RE: USS Lead: Designs for norresponsi and norre

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<Beth.Rohde@CH2M.com>

Subject: RE: USS Lead: Designs nonresponsive and nonresponsive and nonresponsive

Thank you Mike. I believe Paul has mentioned to you that in the intervening time we were able to get pre-construction meetings schedule at the two properties proposed below for swapping out (nonresponsive or and be best to keep those two in 2017, and instead we are now proposing to swap out of which are non-high priority) for nonresponsive and nonresponsive and Grasselli.

Apologies for the confusion, however we have been make a push to get remaining pre-construction meetings scheduled. So, those have been occurring at an accelerated rate recently.

Thank you,

Theo

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Subject: RE: USS Lead: Designs for nonresponsi and nonresponsive [EXTERNAL]

Good Morning Theo,

I concur with the swap out of these properties. Please proceed with incorporating the replacement properties into the 2017 schedule.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

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**Sent:** Friday, August 04, 2017 2:12 PM

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We propose removing nonresponsive and replacing them with responsive and replacing them will proceed with modifying Arrowhead's subcontract accordingly.

Thank you, Theo

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Subject: FW: USS Lead: Designs for onespons and onespons Grasselli [EXTERNAL]

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Subject: FW: USS Lead: Designs for nonresponsi and nonresponsive

Tim, Dan, and Jacob: The final designs for two properties where we recently learned small children reside are attached along with the access agreements for these properties. The access agreements for these properties date back to December 2014, so the remedial contractor should check with the county tax assessor to see if property ownership has changed.

Thanks, Rik

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Sent: Thursday, August 3, 2017 10:52 AM

To: Rik Lantz < rlantz@scst.com >

Subject: FW: USS Lead: Designs for onesponsi and onesponsi onesponsive

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Jacki: Have we designs for these? If not, how far along are they?

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**Cc:** Rolfes, Sarah < Rolfes. Sarah@epa.gov>; Pope, Janet < Pope. Janet@epa.gov>; Rodriguez, Charles

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Cc:

Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan,

Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE

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RE: USS Lead: Designs for onresponsion and onresponsion nonresponsion no

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Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Friday, August 04, 2017 2:12 PM

To: Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Rolfes, Sarah <<u>Rolfes.Sarah@epa.gov</u>>; Drexler, Timothy <<u>drexler.timothy@epa.gov</u>>; Arps, Paul/MKE <<u>Paul.Arps@CH2M.com</u>>; Watkins, Timothy/DET <<u>Timothy.Watkins@CH2M.com</u>>; Shanahan, Michael/SAC <<u>Michael.Shanahan@CH2M.com</u>>; Lehman, Michael/MKE <<u>Michael.Lehman@CH2M.com</u>>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>

Subject: RE: USS Lead: Designs for onespons and onespons Grasselli

Mike D.,

We propose removing foresponsive and foresponsive and foresponsive (both non-high priority; non-responsive) from the 2017 program and replacing them with foresponsive Grasselli and foresponsive (both high priority) per Tim's email below. Please indicate your concurrence and we will proceed with modifying Arrowhead's subcontract accordingly.

Thank you,

#### Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, August 03, 2017 1:55 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >;

Rolfes, Sarah < Rolfes. Sarah@epa.gov >

**Subject:** FW: USS Lead: Designs for onesponsi and onesponsi onesponsive [EXTERNAL]

Hi Mike: Attached are two properties on properties on that have been identified as priority based on the presence of small children. We'd like to move them into the 2017 program. I understand that you'll need EPA PO approval.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Thursday, August 03, 2017 12:29 PM

To: Drexler, Timothy < drexler.timothy@epa.gov>; Hassan, Jacob < hassan.jacob@epa.gov>; Haag, Daniel

<Haag.Daniel@epa.gov>

Cc: Matt Bizjack <a href="mbizjack@scst.com">mbizjack@scst.com">mbizjack@scst.com</a>; Jacki Shepherd <a href="mbizjack@scst.com">jshepherd@scst.com</a>>

Subject: FW: USS Lead: Designs for nonresponsion and nonresponsion nonresponsive

Tim, Dan, and Jacob: The final designs for two properties where we recently learned small children reside are attached along with the access agreements for these properties. The access agreements for these properties date back to December 2014, so the remedial contractor should check with the county tax assessor to see if property ownership has changed.

Thanks,

Rik

From: Jacki Shepherd

Sent: Thursday, August 3, 2017 10:52 AM

To: Rik Lantz < rlantz@scst.com>

Subject: FW: USS Lead: Designs for nonresponsive and nonresponsive

Final designs are attached.

Thanks,

Jacki Shepherd

GIS Analyst, Database Manager

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, August 1, 2017 2:54 PM

To: Rik Lantz < rlantz@scst.com>

Cc: Jacki Shepherd <jshepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

**Subject:** RE: USS Lead: Designs for nonresponsi and nonresponsi nonresponsive

Wonderful. Thanks, Rik.

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Tuesday, August 01, 2017 2:49 PM

To: Drexler, Timothy < drexler.timothy@epa.gov>

Cc: Jacki Shepherd < ishepherd@scst.com>; Matt Bizjack < mbizjack@scst.com>

Subject: FW: USS Lead: Designs for nonresponsi and nonresponsive

Tim: We can prepare designs for these two properties with small children pretty quickly; We'll put them as the first priority and get them finished, proofed, and sent to you & Jacob, et. al.

Thanks, Rik

From: Jacki Shepherd

Sent: Tuesday, August 1, 2017 2:16 PM

To: Rik Lantz < rlantz@scst.com >

Subject: RE: USS Lead: Designs for nonresponsi and nonresponsi honresponsive

They both just need a few changes due to manual excavation and then final proofing.

Jacki Shepherd

GIS Analyst, Database Manager

From: Rik Lantz

Sent: Tuesday, August 1, 2017 2:00 PM
To: Jacki Shepherd < jshepherd@scst.com>

Subject: FW: USS Lead: Designs for on and onesponsi and onesponsive

Jacki: Have we designs for these? If not, how far along are they?

Rik

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, August 1, 2017 1:43 PM

To: Rik Lantz <rlantz@scst.com>; Matt Bizjack <mbizjack@scst.com>

Cc: Rolfes, Sarah < Rolfes. Sarah@epa.gov>; Pope, Janet < Pope.Janet@epa.gov>; Rodriguez, Charles

<rodriguez.charles@epa.gov>

Subject: USS Lead: Designs for nonresponsi and nonresponsi nonresponsive

Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

From:

Dunneback, Michael

Sent:

Tuesday, August 08, 2017 9:17 AM

To:

Von Wallmenich, Theo/DET

Cc:

Rolfes, Sarah; Drexler, Timothy; Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan.

Michael/SAC; Lehman, Michael/MKE; Rohde, Beth/MKE

Subject:

RE: USS Lead: Designs for for corresponsition and form

# Good Morning Theo,

I concur with the swap out of these properties. Please proceed with incorporating the replacement properties into the 2017 schedule.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Friday, August 04, 2017 2:12 PM

To: Dunneback, Michael <dunneback.michael@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Rohde, Beth/MKE

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Theo

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Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>;

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Sent: Thursday, August 03, 2017 12:29 PM

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<Haag.Daniel@epa.gov>

Cc: Matt Bizjack <mbizjack@scst.com>; Jacki Shepherd <jshepherd@scst.com>

Subject: FW: USS Lead: Designs for or and or and Grasselli

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Thanks, Rik

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Sent: Thursday, August 3, 2017 10:52 AM

To: Rik Lantz < rlantz@scst.com>

Subject: FW: USS Lead: Designs for nonresponsive and nonresponsive

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GIS Analyst, Database Manager

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Sent: Tuesday, August 1, 2017 2:54 PM

To: Rik Lantz < rlantz@scst.com >

Cc: Jacki Shepherd <ishepherd@scst.com>; Matt Bizjack <mbizjack@scst.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

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Cc: Jacki Shepherd < ishepherd@scst.com >; Matt Bizjack < mbizjack@scst.com >

Subject: FW: USS Lead: Designs nonresponsive and nonresponsive

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To: Rik Lantz < rlantz@scst.com>

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Jacki Shepherd

GIS Analyst, Database Manager

From: Rik Lantz

Sent: Tuesday, August 1, 2017 2:00 PM
To: Jacki Shepherd <jshepherd@scst.com>

Subject: FW: USS Lead: Designs for por and por and por possible and por possible pos

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Sent: Tuesday, August 1, 2017 1:43 PM

To: Rik Lantz <rlantz@scst.com>; Matt Bizjack <mbizjack@scst.com>

**Cc:** Rolfes, Sarah <<u>Rolfes.Sarah@epa.gov</u>>; Pope, Janet <<u>Pope.Janet@epa.gov</u>>; Rodriguez, Charles

<rodriguez.charles@epa.gov>

Subject: USS Lead: Designs for designs and designs and designs designs designs and designs des

Hi Rik: Could you generate designs for these two properties, if we don't have them already? They appear to have small children, so they could be eligible to move up to 2017.

Thanks,

-Tim

			·		
		·			

From:

Martin, Linda

Sent:

Tuesday, July 25, 2017 6:33 AM

To:

Olsson, Daniel; Dunneback, Michael; Drexler, Timothy; Rolfes, Sarah

Subject:

RE: USS Lead Priority properties - Add nonesponsive Remove nonresponsive

Thank you Daniel. LM

Linda Martin Environmental Scientist US EPA 77 West Jackson SA-5J Chicago, IL 60604 312-886-3854

From: Olsson, Daniel

Sent: Tuesday, July 25, 2017 6:30 AM

To: Dunneback, Michael <dunneback.michael@epa.gov>; Martin, Linda <martin.lindab@epa.gov>; Drexler, Timothy

<drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Subject: FW: USS Lead Priority properties - Add nonresponsi

nonresponsive Remove

nonresponsive

FYI

From: Watkins, Timothy/DET [mailto:Timothy.Watkins@CH2M.com]

Sent: Tuesday, July 25, 2017 6:27 AM

To: Olsson, Daniel <olsson.daniel@epa.gov>

Subject: RE: USS Lead Priority properties - Add formesponsive Remove formesponsive nonresponsive

Good morning Daniel,

CH2M acknowledges receipt of this approval.

Thank you!

Timothy Watkins Senior Project Manager National Government Client Sector D 1 517 668 6006 M 1 517 899 6081

CH2M 7927 Nemco Way Suite 120 Brighton, MI 48116

From: Olsson, Daniel [mailto:olsson.daniel@epa.gov]

Sent: Tuesday, July 25, 2017 7:23 AM

To: Watkins, Timothy/DET < Timothy. Watkins@CH2M.com>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Subject: RE: USS Lead Priority properties - Add nonresponsive Remove nonresponsive [EXTERNAL]

EPA hereby approves the highlighted swapouts identified in the attached spreadsheet.

Daniel E. Olsson Contracting Officer/Team Lead - RAC Environmental Protection Agency Region 5 Chicago

Voice: 312 886 1423

From: Watkins, Timothy/DET [mailto:Timothy.Watkins@CH2M.com]

Sent: Monday, July 24, 2017 1:30 PM

To: Olsson, Daniel < olsson.daniel@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Subject: FW: USS Lead Priority properties - Add nonresponsive Remove nonresponsive

Hello Daniel,

Per our discussion, CH2M is requesting your approval of the two highlighted swapouts in the attached spreadsheet. With Tim Drexler out of the office, Theo also has discussed these the onsite EPA rep, Sarah Rolfes, who has indicated to us that these are appropriate swapouts.

#### Thanks

Timothy Watkins Senior Project Manager National Government Client Sector D 1 517 668 6006 M 1 517 899 6081

CH2M 7927 Nemco Way Suite 120 Brighton, MI 48116

From: Von Wallmenich, Theo/DET Sent: Wednesday, July 19, 2017 3:24 PM

To: Watkins, Timothy/DET < Timothy.Watkins@CH2M.com >; Arps, Paul/MKE < Paul.Arps@CH2M.com > Subject: RE: USS Lead Priority properties - Add \*\* Incressors\*\* Remove \*\* Incressors\*\* Rem

Thanks Tim. Do we have CO approval on the other recent swap (""onesponsive in/foresponsive out; see attached) too?

Thanks, Theo

From: Watkins, Timothy/DET

**Sent:** Wednesday, July 19, 2017 3:15 PM **To:** Olsson, Daniel <olson.daniel@epa.gov>

Cc: Christina Dellaria (dellaria.christina@epa.gov) < dellaria.christina@epa.gov>; Tim Drexler

<drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE

<Paul.Arps@CH2M.com>

Subject: RE: USS Lead Priority properties - Add foresponsive Remove foresponsive Remove foresponsive [EXTERNAL]

Hello Daniel,

Per your request CH2M confirms we have received your approval.

Thank you

Timothy Watkins
Senior Project Manager
National Government Client Sector
D 1 517 668 6006
M 1 517 899 6081

CH2M 7927 Nemco Way Suite 120 Brighton, MI

From: Olsson, Daniel [mailto:olsson.daniel@epa.gov]

**Sent:** Wednesday, July 19, 2017 2:51 PM

To: Watkins, Timothy/DET < Timothy. Watkins@CH2M.com>

Subject: FW: USS Lead Priority properties - Add foresponsive Remove foresponsive formesponsive [EXTERNAL]

EPA concurs with your request for the below property switch outs.

Daniel E. Olsson Contracting Officer/Team Lead - RAC Environmental Protection Agency Region 5 Chicago

Voice: 312 886 1423

From: Drexler, Timothy

Sent: Monday, July 17, 2017 3:44 PM

To: Olsson, Daniel <olsson.daniel@epa.gov>

Cc: Rolfes, Sarah < Rolfes. Sarah@epa.gov >; Dunneback, Michael < dunneback.michael@epa.gov >; Dellaria, Christina

<Dellaria.Christina@epa.gov>

Subject: RE: USS Lead Priority properties - Add formesponsive Remove formesponsive nonresponsive

Hi Daniel: I recommend approval of these changes to property scheduling due to our identified priorities, which are either higher concentrations of site-related contaminants or the presence of small children at the residence.

-Tim

From: Arps, Paul/MKE [mailto:Paul.Arps@CH2M.com]

Sent: Monday, July 17, 2017 3:26 PM

To: Olsson, Daniel <olsson.daniel@epa.gov>

Cc: Rolfes, Sarah <<u>Rolfes.Sarah@epa.gov</u>>; Shanahan, Michael/SAC <<u>Michael.Shanahan@CH2M.com</u>>; Lehman, Michael/MKE <<u>Michael.Lehman@CH2M.com</u>>; Watkins, Timothy/DET <<u>Timothy.Watkins@CH2M.com</u>>; Shanahan, Michael/SAC <<u>Michael.Shanahan@CH2M.com</u>>; Drexler, Timothy <<u>drexler.timothy@epa.gov</u>>; Von Wallmenich, Theo/DET <<u>Theo.VonWallmenich@CH2M.com</u>>; Dunneback, Michael <<u>dunneback.michael@epa.gov</u>>; Dellaria, Christina <<u>Dellaria.Christina@epa.gov</u>>

Subject: RE: USS Lead Priority properties - Add nonresponsive Remove nonresponsive Remove

Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

#### Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

CH2M 135 S. 84\* Street Milwaukee, Wi 53214 vtasscr2m.com | Lickarth | Licharth Licharth

Want to join our world-class team? We're hiring!

From: Von Wallmenich, Theo/DET Sent: Friday, July 14, 2017 8:17 AM

To: Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>; Dunneback.Michael@epamail.epa.gov

Cc: Rolfes, Sarah < Rolfes.Sarah@epa.gov >; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Rodriguez,

Charles < <a href="mailto:rodriguez.charles@epa.gov">rodriguez.charles@epa.gov">rodriguez.charles@epa.gov</a>; Pope, Janet < <a href="mailto:Pope.Janet@epa.gov">Pope.Janet@epa.gov</a>; Lehman, Michael/MKE < <a href="mailto:Amarles@CH2M.com">Amarles@CH2M.com</a>; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: RE: USS Lead Priority properties - Add nonresponsive Remove nonresponsive

Thanks Tim. I will get the access agreement for foresponsive from SulTRAC.

Mike D. – We are proposing to remove non-esponsive (a non-responsive, non-high priority property) from the 2017 work to accommodate adding in non-esponsive Do you concur?

Thanks,

Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 6:06 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Rolfes, Sarah < Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com>; Rodriguez,

Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE

<Michael.Lehman@CH2M.com>

Subject: RE: USS Lead Priority properties [EXTERNAL]

Hi Theo: Thanks for reminding me that 4742-56 Carey is the Holy Trinity Church. We have confirmed that there is no daycare center there so that can be taken off of the priority list. The design is attached.

-Tim

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Thursday, July 13, 2017 12:58 PM

To: Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Drexler, Timothy < drexler.timothy@epa.gov > Cc: Rolfes, Sarah@epa.gov >; Dunneback, Michael < dunneback.michael@epa.gov >; Shanahan,

Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim,

The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,

Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE < Michael. Lehman@CH2M.com > wrote:

Hi Tim-

The two properties highlighted in green below have not been formally added to Arrowheads scope yet, so they are not currently in the tracker. The other seven properties have been added to the tracking spreadsheet. You will see that change in tonight's email.

#### Thanks

Michael Lehman Associate Project Manager/Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84\* St, Suite 400 Milwaukee, WI 53214 USA

www.ch2m.com | LinkedIn | Twitter | Facebook

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 11:29 AM

To: Lehman, Michael/MKE < Michael. Lehman@CH2M.com >; Rolfes, Sarah < Rolfes. Sarah@epa.gov >; Dunneback,

Michael <dunneback.michael@epa.gov>

Cc: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>; Shanahan, Michael/SAC

<<u>Michael.Shanahan@CH2M.com</u>>; Rolfes, Sarah <<u>Rolfes.Sarah@epa.gov</u>> **Subject:** RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:



We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]

Sent: Wednesday, July 12, 2017 5:32 PM

**To:** Drexler, Timothy <a href="mailto:drexler.timothy@epa.gov">drexler.timothy@epa.gov">drexler.timothy@epa.gov</a>; Rolfes, Sarah <a href="mailto:Rolfes.Sarah@epa.gov">Rolfes.Sarah@epa.gov</a>; Dunneback, Michael <a href="mailto:dunneback.michael@epa.gov">dunneback.michael@epa.gov</a>>

Cc: Amley, Kimberly/DET < Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL < Denis.Ewing@CH2M.com>; Woods, Carl/CIN < Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET < Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE < Paul.Arps@CH2M.com>; Plsek, Robert/DFW < Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC < Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE < Beth.Rohde@CH2M.com>; Watkins, Timothy/DET < Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

# Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12<sup>th</sup>, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

# **Project Progress Summary**

# **Precon Surveys Completed**

69 of 120

# **Excavations Completed**

• 34 of 120

**General Fill Completed** 

22 Properties

**Topsoil Completed** 

29 Properties

**Sod Installations Completed** 

26 Properties

**Sod Maintenance Period Completed** 

2 Properties

**Preconstruction Property Meeting Status** 

Meetings today:

nonresponsive 19

Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

**Post construction Property Meeting Status** 

No Post-Con meetings today

Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

# Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- · Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

# Quality

- QA completed field verification of Post topsoil survey at nonresponsive
- QA inspected excavation at onesponsive and onespo
- QA inspected common fill placement at onesponsi
- QA completed Sod placement at Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
- QA completed sod follow up inspections at corresponse corresponse
- QA completed QC of perimeter air monitoring data.
- · Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

# **Property Work Today**

- Impacted export today
- nonresponsi nonresponsive 2 (5CY) Truck
- nonresponsive 3 (5CY) Truck and 5 (7CY) Truck
- Arrowhead tree and stump removal today:
- None

- Bloodhound completes utility locate surveys at:
- None
- Abonmarche surveys completed today:
- \* nonresponsive Survey 4
- Backfill today:
- nonresponsive 9 (5CY) Trucks Common Backfill
- nonresponse formespons 6 (5CY) Trucks Common Backfill
- Concrete Repairs:
- None
- Sod, plants, and restoration completed today
- Sod Completed at 4729 nonresponsive and nonresponsive and nonresponsive n

# **General Work Today**

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

# **Import Fill today**

5 loads common fill

- 1 load of #53 stone
- 9 loads of topsoil

# Waterline flushing today

- nonresponsi nonresponsive
- nonresponsive
- nonresponsi

# **Street Force Operations**

- Water bill flyers handed out
- Made contact with owner at nonresponsive to setup pre-construction meeting

# **Changed Conditions/Delay/Conflicts Encountered**

• Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

# Visitors/Discussions

Theo Von Wallmenich

# Planned Work for Tomorrow (7/13)

Clearing:



**Excavation:** 

Crew 2: nonresponsive — Continue

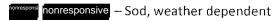
#### Backfill:

Crew 2: norresponsi Porresponsive - Start

## Restoration:



## Plants and Sod:



## Trees and stumps:

None

## Surveys:



# **Private Utility Locates:**

None

# Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M
135 S 84\* St, Suite 400
Milwaukee, WI 53214
USA
www.ch2m.com | LinkedIn | Twitter | Facebook

From:

Von Wallmenich, Theo/DET < Theo. Von Wallmenich @CH2M.com >

Sent:

Thursday, July 20, 2017 4:12 PM

To:

Olsson, Daniel; Drexler, Timothy; Rolfes, Sarah

Cc:

Dunneback, Michael; Dellaria, Christina; Arps, Paul/MKE; Watkins, Timothy/DET

Subject:

USS Lead Zone 3 (WA #226) Property Substitutions - Summary Table

Attachments:

2017 Property Substitutions xlsx

Daniel, Tim and Sarah,

Here is a summary of the Zone 3 property swaps to date. We will update this table on an ongoing basis as needed to keep track of the substitutions. One thing we need to remain cognizant of is the quantity imbalance when larger volume properties are removed and smaller volume properties substituted in. The quantity change does not appear to be too great at this point, but it is getting close to 10% of the Excavation line item quantity. To the extent possible we will want to balance the volumes as we swap in the new high-priority properties to avoid too much variance on subcontract line items that could lead to potential unit rate pricing changes. We will keep an eye on this going forward.

Daniel – There are two new substitutions highlighted in yellow in the attached table. Could you please indicate CO concurrence with the

Thank you, Theo

Theo von Wallmenich Senior Project Manager D 1 989 285 1515 M 1 517 483 3015

CH2M 41850 West 11 Mile Road, Ste. 101 Novi, MI 48375

			•

# USS Lead Zone 3 Remedial Action, Work Assignment 226, Contract EP-S5-06-01 Summary of 2017 Property Substitutions

				Subcontract
operty		Volume	Unit	Modification N
bstitute Out of 201	L/ (Remove)	20	67.4	** 1004
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-752 CY

Replacement vs. removed delta

		,	
·			

#### Dunneback, Michael

From:

Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>

Sent:

Wednesday, July 19, 2017 2:21 PM

To:

Dunneback, Michael

Subject:

FW: USS Lead Priority properties - Add from sponsive Remove from sponsive Remove from sponsive

Hi Mike,

I apologize for not copying you on the email below. That's what happens when you and Paul leave me and Daniel to get things done.

Thanks!

Tim

From: Watkins, Timothy/DET

Sent: Wednesday, July 19, 2017 3:15 PM To: 'Olsson, Daniel' <olsson.daniel@epa.gov>

Cc: Christina Dellaria (dellaria.christina@epa.gov) <dellaria.christina@epa.gov>; Tim Drexler

<drexler.timothy@epa.gov>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE

<Paul.Arps@CH2M.com>

Subject: RE: USS Lead Priority properties - Add forespons

<sup>isponsive</sup> Remove <sup>in</sup>

Hello Daniel,

Per your request CH2M confirms we have received your approval.

Thank you

Timothy Watkins Senior Project Manager National Government Client Sector D 1 517 668 6006 M 1 517 899 6081

**CH2M** 7927 Nemco Way Suite 120 Brighton, MI 48116

From: Olsson, Daniel [mailto:olsson.daniel@epa.gov]

Sent: Wednesday, July 19, 2017 2:51 PM

To: Watkins, Timothy/DET < Timothy. Watkins@CH2M.com>

Subject: FW: USS Lead Priority properties - Add Remove '

EPA concurs with your request for the below property switch outs.

Daniel E. Olsson

Contracting Officer/Team Lead - RAC

### Environmental Protection Agency Region 5 Chicago

Voice: 312 886 1423

From: Drexler, Timothy

**Sent:** Monday, July 17, 2017 3:44 PM

To: Olsson, Daniel < olsson.daniel@epa.gov>

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Dunneback, Michael <dunneback.michael@epa.gov>; Dellaria, Christina

<Dellaria.Christina@epa.gov>

Subject: RE: USS Lead Priority properties - Add intersponsive Remove intersponsive Remove intersponsive

Hi Daniel: I recommend approval of these changes to property scheduling due to our identified priorities, which are either higher concentrations of site-related contaminants or the presence of small children at the residence.

-Tim

From: Arps, Paul/MKE [mailto:Paul.Arps@CH2M.com]

Sent: Monday, July 17, 2017 3:26 PM

To: Olsson, Daniel < olsson.daniel@epa.gov>

Cc: Rolfes, Sarah < Rolfes.Sarah@epa.gov >; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Watkins, Timothy/DET < Timothy.Watkins@CH2M.com >; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Drexler, Timothy < drexler.timothy@epa.gov >; Von Wallmenich, Theo/DET < Theo.VonWallmenich@CH2M.com >; Dunneback, Michael < dunneback.michael@epa.gov >; Dellaria, Christina@epa.gov >

Subject: RE: USS Lead Priority properties - Add from Remove Remove nonresponsive

Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

#### Thanks!

Paul Arps Program Manager Manager of Projects National Government Client Sector D 414 847 0259 M 262 617 7762

CH2W 135 S. 84<sup>th</sup> Street Milwaukee, WI 53214 Want to join our world-class team? We're hising!

From: Von Wallmenich, Theo/DET Sent: Friday, July 14, 2017 8:17 AM

 $\textbf{To:} \ Timothy \ Drexler \ (\underline{drexler.timothy@epa.gov}) < \underline{drexler.timothy@epa.gov}; \ \underline{Dunneback.Michael@epamail.epa.gov}$ 

Cc: Rolfes, Sarah <Rolfes.Sarah@epa.gov>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Rodriguez,

Charles < <a href="mailto:rodriguez.charles@epa.gov">rope, Janet < Pope.Janet@epa.gov">rope, Janet < Pope.Janet@epa.gov</a>; Lehman, Michael/MKE < Michael.Lehman@CH2M.com</a>; Arps, Paul/MKE < Paul.Arps@CH2M.com</a>; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com>

Subject: RE: USS Lead Priority properties - Add portesponsive Remove portesponsive

Thanks Tim. I will get the access agreement for nonesponsi onesponsite from SulTRAC.

Mike D. – We are proposing to remove nonresponsive (a non-responsive, non-high priority property) from the 2017 work to accommodate adding in the second nonresponsive (a non-responsive). Do you concur?

Thanks, Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 6:06 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>

Cc: Rolfes, Sarah < Rolfes. Sarah@epa.gov>; Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com>; Rodriguez,

Charles < rodriguez.charles@epa.gov>; Pope, Janet < Pope.Janet@epa.gov>; Lehman, Michael/MKE

< Michael. Lehman@CH2M.com>

Subject: RE: USS Lead Priority properties [EXTERNAL]

Hi Theo: Thanks for reminding me that 4742-56 Carey is the Holy Trinity Church. We have confirmed that there is no daycare center there so that can be taken off of the priority list. The consequent design is attached.

-Tim

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Thursday, July 13, 2017 12:58 PM

**To:** Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Drexler, Timothy < drexler.timothy@epa.gov > Cc: Rolfes, Sarah < Rolfes.Sarah@epa.gov >; Dunneback, Michael < dunneback.michael@epa.gov >; Shanahan,

Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

Tim,

The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,

Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE < Michael. Lehman@CH2M.com > wrote:

Hi Tim-

The two properties highlighted in green below have not been formally added to Arrowheads scope yet, so they are not currently in the tracker. The other seven properties have been added to the tracking spreadsheet. You will see that change in tonight's email.

#### Thanks

Michael Lehman

Associate Project Manager/Construction Manager

D 1 414 847 0327

M 1 414 687 6665

CH2M 135 S 84° St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 11:29 AM

To: Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Rolfes, Sarah < Rolfes.Sarah@epa.gov >; Dunneback,

Michael <<u>dunneback.michael@epa.gov</u>>

Cc: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >; Shanahan, Michael/SAC

<<u>Michael.Shanahan@CH2M.com</u>>; Rolfes, Sarah <<u>Rolfes.Sarah@epa.gov</u>>

Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:



We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]

Sent: Wednesday, July 12, 2017 5:32 PM

 $\textbf{To:} \ Drexler, \textbf{Timothy} \\ \underbrace{\underline{drexler.timothy@epa.gov}}; \ Rolfes, \textbf{Sarah} \\ \underbrace{\underline{Rolfes.Sarah@epa.gov}}; \ Dunneback, \textbf{Michael} \\ \underbrace{\underline{Rolfes.Sarah@$ 

<dunneback.michael@epa.gov>

Paul/MKE < Paul. Arps@CH2M.com >; Plsek, Robert/DFW < Robert. Plsek@CH2M.com >; Seaman, Jennifer/CHC

<Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET

<Timothy. Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

### Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12<sup>th</sup>, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

### **Project Progress Summary**

**Precon Surveys Completed** 

69 of 120

**Excavations Completed** 

34 of 120

**General Fill Completed** 

22 Properties

**Topsoil Completed** 

29 Properties

**Sod Installations Completed** 

26 Properties

**Sod Maintenance Period Completed** 

2 Properties

### **Preconstruction Property Meeting Status**

### Meetings today:

nonresponsive 19 nonresponsive

#### Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

### Post construction Property Meeting Status

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

### Safety-

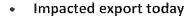
- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- · ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

# Quality

- QA completed field verification of Post topsoil survey at nonresponsive
- QA inspected excavation at onesponsive and onesponsive and onesponsive and onesponsive on
- QA inspected common fill placement at interpolarity interesponsity in the placement at interesponsity in the placeme
- QA completed Sod placement at Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.

- QA completed sod follow up inspections at onespons one
- QA completed QC of perimeter air monitoring data.
- Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

# **Property Work Today**



• nonresponsi nonresponsive 2 (5CY) Truck

\* forresponsive 3 (5CY) Truck and 5 (7CY) Truck

- Arrowhead tree and stump removal today:
- None
- · Arrowhead property clearing today:
- nonresponsi nonresponsive Started
- Bloodhound completes utility locate surveys at:
- None
- Abonmarche surveys completed today:
- nonresponsive Survey 4
- Backfill today:
- nonresponsive 9 (5CY) Trucks Common Backfill
- nonresponsi nonrespons 6 (5CY) Trucks Common Backfill

- Concrete Repairs:
- None
- Sod, plants, and restoration completed today
- Sod Completed at 4729 nonresponsive and nonresponsive and nonresponsive and nonresponsive nonresponsi

### **General Work Today**

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

### **Import Fill today**

- 5 loads common fill
- 1 load of #53 stone
- 9 loads of topsoil

### Waterline flushing today

- nonresponsit nonresponsiv
- nonresponsive
- nonresponsi nonres

### **Street Force Operations**

- · Water bill flyers handed out
- Made contact with owner at nonresponsive to setup pre-construction meeting

# **Changed Conditions/Delay/Conflicts Encountered**

Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

### Visitors/Discussions

Theo Von Wallmenich

### Planned Work for Tomorrow (7/13)





#### **Excavation:**

Crew 1:  $\frac{1}{1}$   $\frac{1}{1$ 

Crew 2: nonresponsive – Continue

#### Backfill:

Crew 1: formesponsi formesponsive Topsoil - Continue

Crew 2: fromesponsis from Topsoil – Continue

#### Restoration:



#### Plants and Sod:

nonresponsive — Sod, weather dependent

#### Trees and stumps:

None

#### Surveys:



#### **Private Utility Locates:**

None

#### Importing Backfill:

9 +/- Loads Common Backfill

### 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84<sup>th</sup> St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

#### Dunneback, Michael

From:

Drexler, Timothy

Sent:

Monday, July 17, 2017 3:44 PM

To:

Olsson, Daniel

Cc:

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RE: USS Lead Priority properties - Add <sup>isive</sup>Remove "

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CH2M 135 S. 84\* Street Milwaukee, WI 53214

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Want to join our world-class team? We're hiring!

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Michael Lehman Associate Project Manager/Construction Manager D 1 414 847 0327 M 1 414 687 6665

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www.ch2m.com | LinkedIn | Twitter | Facebook

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**Cc:** Amley, Kimberly/DET <<u>Kimberly.Amley@CH2M.com</u>>; Ewing, Denis/ATL <<u>Denis.Ewing@CH2M.com</u>>; Woods, Carl/CIN <<u>Carl.Woods@CH2M.com</u>>; Von Wallmenich, Theo/DET <<u>Theo.VonWallmenich@CH2M.com</u>>; Arps, Paul/MKE <<u>Paul.Arps@CH2M.com</u>>; Plsek, Robert/DFW <<u>Robert.Plsek@CH2M.com</u>>; Seaman, Jennifer/CHC <<u>Jennifer.Seaman@ch2m.com</u>>; Rohde, Beth/MKE <<u>Beth.Rohde@CH2M.com</u>>; Watkins, Timothy/DET

<a href="mailto:&lt;/a&gt; &lt;a href=" mailto:="" www.watkins@ch2m.com"="">CH2M.com</a> <a href="mailto://www.watkins@CH2M.com">CH2M.com</a> <a href="mailto:subject">Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17</a>
Tim, Sarah and Michael-
The following is a summary for the USS Lead Zone 3 remediation project through July 12th, 2017. Please also find for your review the EPA progress summary and City info summaries attached.
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69 of 120
Excavations Completed
34 of 120
General Fill Completed
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29 Properties
Sod Installations Completed
26 Properties
Sod Maintenance Period Completed
2 Properties
Preconstruction Property Meeting Status

Meetings today:

### nonresponsive 19 nonresponsive

#### Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

### **Post construction Property Meeting Status**

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

### Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

### Quality

- QA completed field verification of Post topsoil survey at nonresponsive
- QA inspected excavation at nonresponsive and nonresponsive nonresponsive
- QA inspected common fill placement at ones
- QA completed Sod placement at Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
- QA completed sod follow up inspections at onespons of completed air monitoring support for team members as needed. Various sod panels still showing brown areas.
- QA completed QC of perimeter air monitoring data.
- Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

# **Property Work Today**

- Impacted export today
- nonresponsi nonresponsive 2 (5CY) Truck
- nonresponsive 3 (5CY) Truck and 5 (7CY) Truck
- Arrowhead tree and stump removal today:
- None
- Arrowhead property clearing today:
- nonresponsive Started
- Bloodhound completes utility locate surveys at:
- None
- Abonmarche surveys completed today:
- nonresponsive Survey 4
- Backfill today:
- nonresponsive 9 (5CY) Trucks Common Backfill
- Toniespons Toniespons 6 (5CY) Trucks Common Backfill
- · Concrete Repairs:
- None
- Sod, plants, and restoration completed today
- Sod Completed at 4729 nonresponsive and nonresponsive and nonresponsive and nonresponsive nonresponsive and nonresponsive nonresponsive and nonresponsive non

### **General Work Today**

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

### **Import Fill today**

- 1 load of #53 stone
- 9 loads of topsoil

### Waterline flushing today

nonresponsive
nonresponsive
nonresponsive
nonresponsive
nonresponsive

### **Street Force Operations**

- Water bill flyers handed out
- Made contact with owner at nonresponsive to setup pre-construction meeting

### **Changed Conditions/Delay/Conflicts Encountered**

Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

### **Visitors/Discussions**

Theo Von Wallmenich

### Planned Work for Tomorrow (7/13)

#### Clearing:



#### Excavation:



### Backfill:

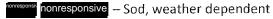




#### Restoration:



#### Plants and Sod:



#### Trees and stumps:

None

#### Surveys:



### **Private Utility Locates:**

None

### Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CHZM

135 S 84\* St, Suite 400 Milwaukee, WI 53214 USA

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<i>,</i> *					
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·					
		•			

#### Dunneback, Michael

From:

Arps, Paul/MKE < Paul. Arps@CH2M.com>

Sent:

Monday, July 17, 2017 3:26 PM

To:

Olsson, Daniel

Cc:

Rolfes, Sarah; Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Drexler, Timothy; Von Wallmenich, Theo/DET; Dunneback, Michael;

Dellaria, Christina

Subject:

RE: USS Lead Priority properties - Add nonresponsive Remove nonresponsive Remove

#### Good Afternoon Daniel,

CH2M did not hear back from Mike D. before he left on vacation on Friday regarding the below concurrence request. As the 120 property completions for Zone 3 at USS Lead are outlined in the design provided by SulTRAC (and ultimately incorporated into our SOW) we have been receiving CO approval for property substitutions. I have copied Christina on this communication as she has also been aware of these property substitution communications and can provide some additional information if necessary.

Could you review and provide your concurrence at your convenience. If you have any questions, please let me know.

#### Thanks!

Paul Arps
Program Manager
Manager of Projects
National Government Client Sector
D 414 847 0259
M 262 617 7762

CH2M 135 S. 84<sup>th</sup> Street Milwaukee, WI 53214

<u>se president om i Hallade i Estilad i Japabask</u>

Want to join our world-class team? We're hiring!

From: Von Wallmenich, Theo/DET Sent: Friday, July 14, 2017 8:17 AM

To: Timothy Drexler (drexler.timothy@epa.gov) < drexler.timothy@epa.gov>; Dunneback.Michael@epamail.epa.gov

 $\textbf{Cc:} \ \ Rolfes, Sarah < Rolfes. Sarah @epa.gov>; \ Shanahan, \ Michael/SAC < Michael. Shanahan @CH2M.com>; \ Rodriguez, \ Rolfes, \ Sarah < Rolfes, \ Sarah & Rolfes, \ Rolfe$ 

Charles <rodriguez.charles@epa.gov>; Pope, Janet <Pope.Janet@epa.gov>; Lehman, Michael/MKE

<Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: RE: USS Lead Priority properties - Add nonresponse Remove nonresponse nonresponse Remove

Thanks Tim. I will get the access agreement for more possess from SulTRAC.

Mike D. – We are proposing to remove from the 2017 work to accommodate adding in from the 2017 or you concur?

Thanks, Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Thursday, July 13, 2017 6:06 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Rolfes, Sarah < Rolfes, Sarah@epa.gov>; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com>; Rodriguez,

Charles < rodriguez.charles@epa.gov >; Pope, Janet < Pope\_Janet@epa.gov >; Lehman, Michael/MKE

< Michael. Lehman @ CH2 M.com >

**Subject:** RE: USS Lead Priority properties [EXTERNAL]

Hi Theo: Thanks for reminding me that 4742-56 Carey is the Holy Trinity Church. We have confirmed that there is no daycare center there so that can be taken off of the priority list. The correspond design is attached.

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Subject: Re: USS Lead Daily Zone 3 Field Progress Report 7-12-17

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The status of those 2 Mike indicates last we looked at this is that one still needed data to come back, and one (the church) was still being evaluated if high priority or not. SulTRAC was looking into those 2 issues.

If those 2 properties are now ready to substitute in then I will get the approved final RD drawings and access agreements from Rik, and we will identify 2 non-responsives to pull out and seek CO concurrence.

Mike L. - please start looking for 2 more non-responsives to substitute out.

Thanks,

Theo

On Jul 13, 2017, at 1:00 PM, Lehman, Michael/MKE < Michael.Lehman@CH2M.com > wrote:

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Michael Lehman Associate Project Manager/Construction Manager D 1 414 847 0327 M 1 414 687 6665

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Sent: Thursday, July 13, 2017 11:29 AM

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Michael <dunneback, michael@epa.gov>

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< <u>Michael.Shanahan@CH2M.com</u>>; Rolfes, Sarah < <u>Rolfes.Sarah@epa.gov</u>>

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Cc: Amley, Kimberly/DET < Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL < Denis.Ewing@CH2M.com>; Woods, Carl/CIN < Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET < Theo.VonWallmenich@CH2M.com>; Arps, Paul/MKE < Paul.Arps@CH2M.com>; Plsek, Robert/DFW < Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC < Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE < Beth.Rohde@CH2M.com>; Watkins, Timothy/DET

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Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

#### Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12<sup>th</sup>, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

### **Project Progress Summary**

### **Precon Surveys Completed**

69 of 120 **Excavations Completed** 34 of 120 **General Fill Completed** 22 Properties **Topsoil Completed** 29 Properties **Sod Installations Completed 26** Properties **Sod Maintenance Period Completed** 2 Properties **Preconstruction Property Meeting Status** Meetings today: Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

**Post construction Property Meeting Status** 

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

### Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
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### **Property Work Today**

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- Arrowhead tree and stump removal today:
- None

- Arrowhead property clearing today:
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- None
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- Backfill today:
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- Backfill operations
- Excavations
- Survey operations
- · End of the day security checks completed
- Security patrol

### **Import Fill today**

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- 1 load of #53 stone
- 9 loads of topsoil

### Waterline flushing today



### **Street Force Operations**

- Water bill flyers handed out
- Made contact with owner at nonresponsive to setup pre-construction meeting

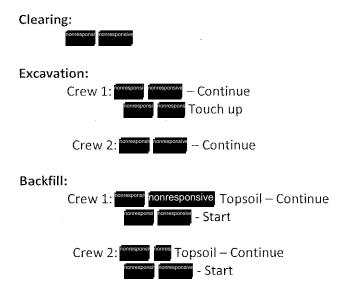
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• Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

### Visitors/Discussions

Theo Von Wallmenich

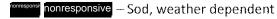
### Planned Work for Tomorrow (7/13)



#### Restoration:



#### Plants and Sod:



### Trees and stumps:

None

#### Surveys:



### **Private Utility Locates:**

None

### Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

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<<u>Jennifer.Seaman@ch2m.com</u>>; Rohde, Beth/MKE <<u>Beth.Rohde@CH2M.com</u>>; Watkins, Timothy/DET < Timothy. Watkins@CH2M.com>; Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com> Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17 Tim, Sarah and Michael-The following is a summary for the USS Lead Zone 3 remediation project through July 12th, 2017. Please also find for your review the EPA progress summary and City info summaries attached. **Project Progress Summary Precon Surveys Completed** 69 of 120 **Excavations Completed** 34 of 120

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**Topsoil Completed** 

29 Properties

Sod Installations Completed

**26** Properties

**Sod Maintenance Period Completed** 

2 Properties

**Preconstruction Property Meeting Status** 

### Meetings today:

nonresponsive 19

#### Status:

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# Visitors/Discussions

Theo Von Wallmenich

## Planned Work for Tomorrow (7/13)

### Clearing:



### Excavation:



Crew 2: nonresponsive — Continue

#### Backfill:

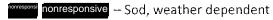


Crew 2: formesponsi formesponsive - Start

#### Restoration:



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## Trees and stumps:

None

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### **Private Utility Locates:**

None

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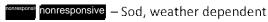
Backfill:



Restoration:



Plants and Sod:



Trees and stumps:

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Surveys:





### Private Utility Locates:

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<dunneback.michael@epa.gov>

Ce: Von Wallmenich, Theo/DET < Theo. Von Wallmenich @ CH2M.com >; Shanahan, Michael / SAC

<Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Subject: RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17 [EXTERNAL]

Hi Mike: The table doesn't seem to reflect yet the identified priority swap-outs due to sampling/presence of children:



We should make those changes.

-Tim

From: Lehman, Michael/MKE [mailto:Michael.Lehman@CH2M.com]

Sent: Wednesday, July 12, 2017 5:32 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>;;Rolfes, Sarah <Rolfes.Sarah@epa.gov>;;Dunneback, Michael

<dunneback.michael@epa.gov>

Cc: Amley, Kimberly/DET <Kimberly.Amley@CH2M.com>; Ewing, Denis/ATL <Denis.Ewing@CH2M.com>; Woods, Carl/CIN < Carl. Woods@CH2M.com>; Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>; Arps, Paul/MKE < Paul. Arps@CH2M.com>; Plsek, Robert/DFW < Robert. Plsek@CH2M.com>; Seaman, Jennifer/CHC <Jennifer.Seaman@ch2m.com>; Rohde, Beth/MKE <Beth.Rohde@CH2M.com>; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17

### Tim, Sarah and Michael-

The following is a summary for the USS Lead Zone 3 remediation project through July 12<sup>th</sup>, 2017. Please also find for your review the EPA progress summary and City info summaries attached.

## **Project Progress Summary**

## **Precon Surveys Completed**

69 of 120

### **Excavations Completed**

34 of 120

### **General Fill Completed**

22 Properties

## **Topsoil Completed**

29 Properties

## Sod Installations Completed

**26** Properties

## Sod Maintenance Period Completed

2 Properties

# **Preconstruction Property Meeting Status**

## Meetings today:

#### Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

### **Post construction Property Meeting Status**

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

## Safety-

- CH2M and Arrowhead complete tailgate safety meeting
- Safe behavior observations completed today
- ACI submits final incident report for topsoil truck vehicular accident
- Lightning shutdown site operations from 10:22 am to 11:43 am
- Heavy rains at approximately 1:45 pm shut down operations for the remainder of the day
- ACI completes physiological monitoring

## Quality

- QA completed field verification of Post topsoil survey at nonresponsive
- QA inspected excavation at nonresponsive and nonresponsive and nonresponsive
- QA inspected common fill placement at nonresponse formers.
- QA completed Sod placement at Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
- QA completed sod follow up inspections at onespons ones
- QA completed QC of perimeter air monitoring data.
- Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

# **Property Work Today**

- Impacted export today
  - $\circ$  honresponsive 2 (5CY) Truck
  - o norresponsive 3 (5CY) Truck and 5 (7CY) Truck
- Arrowhead tree and stump removal today:
  - o None
- Arrowhead property clearing today:
  - o honresponsive Started

- Bloodhound completes utility locate surveys at:
  - o None
- Abonmarche surveys completed today:
  - o nonresponsive Survey 4
- Backfill today:
  - o nonresponsive 9 (5CY) Trucks Common Backfill
  - o foresponsi foresponsi 6 (5CY) Trucks Common Backfill
- Concrete Repairs:
  - o None
- Sod, plants, and restoration completed today
  - o Sod Completed at 4729 nonresponsive and nonresponsive and nonresponsive and nonresponsive nonresponsive and nonresponsive nonr

### **General Work Today**

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

## **Import Fill today**

- 5 loads common fill
- 1 load of #53 stone
- 9 loads of topsoil

## Waterline flushing today

- nonresponsive
- nonresponsive
- nonresponsive
- nonresponsi

## **Street Force Operations**

- Water bill flyers handed out
- Made contact with owner at onesponsive nonresponsive to setup pre-construction meeting

## Changed Conditions/Delay/Conflicts Encountered

Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

## Visitors/Discussions

Theo Von Wallmenich

# Planned Work for Tomorrow (7/13)

## Clearing:



### Excavation:



#### Backfill:





#### Restoration:

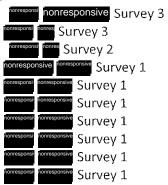


#### Plants and Sod:

### Trees and stumps:

None

#### Surveys:



### **Private Utility Locates:**

None

### Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84<sup>th</sup> St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

### Dunneback, Michael

From:

Dunneback, Michael

Sent:

Thursday, July 13, 2017 11:33 AM

To:

Arps, Paul/MKE

Subject:

FW: USS Lead Daily Zone 3 Field Progress Report 7-12-17

FYI...

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone -(312) 886-7523

From: Drexler, Timothy

Sent: Thursday, July 13, 2017 11:29 AM

To: Lehman, Michael/MKE < Michael.Lehman@CH2M.com>; Rolfes, Sarah < Rolfes.Sarah@epa.gov>; Dunneback, Michael

<dunneback.michael@epa.gov>

Cc: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >; Shanahan, Michael/SAC

<Michael.Shanahan@CH2M.com>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

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Sent: Wednesday, July 12, 2017 5:32 PM

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Cc: Amley, Kimberly/DET < Kimberly. Amley@CH2M.com>; Ewing, Denis/ATL < Denis. Ewing@CH2M.com>; Woods, Carl/CIN <Carl.Woods@CH2M.com>; Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>; Arps,

Paul/MKE < <a href="Paul.Arps@CH2M.com">Plsek, Robert/DFW < <a href="Robert.Plsek@CH2M.com">Robert.Plsek@CH2M.com</a>; Seaman, Jennifer/CHC < <a href="Imothy.Watkins@CH2M.com">Imothy.CH2M.com</a>; Rohde, Beth/MKE < <a href="Meth.Rohde@CH2M.com">Beth.Rohde@CH2M.com</a>; Watkins, Timothy/DET < <a href="Imothy.Watkins@CH2M.com">Imothy.Watkins@CH2M.com</a>; Shanahan, Michael/SAC < <a href="Michael.Shanahan@CH2M.com">Michael.Shanahan@CH2M.com</a> > <a href="Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17">Subject: USS Lead Daily Zone 3 Field Progress Report 7-12-17</a>

## Tim, Sarah and Michael-

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• 69 of 120

## **Excavations Completed**

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## **General Fill Completed**

22 Properties

## **Topsoil Completed**

• 29 Properties

## **Sod Installations Completed**

• 26 Properties

## Sod Maintenance Period Completed

2 Properties

# **Preconstruction Property Meeting Status**

## Meetings today:

nonresponsive 19

#### Status:

- Initial Precon Meetings % Complete: 75.0%
- Final Precon Meetings % Complete: 62.5%

## **Post construction Property Meeting Status**

- No Post-Con meetings today
- Post-Con Meetings % Complete: 0.0%

# **Work Performed Today**

## Safety-

- CH2M and Arrowhead complete tailgate safety meeting
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## Quality

- QA completed field verification of Post topsoil survey at nonresponsive
- QA inspected excavation at nonresponsive and nonresponsive and nonresponsive
- QA inspected common fill placement at nonresponse property
- QA completed Sod placement at Sod panels were thinner than the ½" requirement in the specs. ACI assumes responsibility for Sod placed per RFI 11.
- QA completed sod follow up inspections at onespons of completed air monitoring support for team members as needed. Various sod panels still showing brown areas.
- QA completed QC of perimeter air monitoring data.
- Transmittals received: None
- Transmittals distributed: RFI 12- Compaction testing- testing to continue per specifications.

# **Property Work Today**

- Impacted export today
  - $\circ$  honresponsive 2 (5CY) Truck
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- Arrowhead tree and stump removal today:
  - None
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- Bloodhound completes utility locate surveys at:
  - o None
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  - o nonresponsive Survey 4

- Backfill today:
  - o nonresponsive -9.(5CY) Trucks Common Backfill
  - o norresponsi norresponsi 6 (5CY) Trucks Common Backfill
- Concrete Repairs:
  - o None
- · Sod, plants, and restoration completed today
  - Sod Completed at 4729 nonresponsive and nonresponsive

## **General Work Today**

- ACI stockpile management
- Backfill operations
- Excavations
- Survey operations
- End of the day security checks completed
- Security patrol

## Import Fill today

- 5 loads common fill
- 1 load of #53 stone
- 9 loads of topsoil

### Waterline flushing today

- nonresponsiv
- nonresponsive
- nonresponsive
- nonresponsive

## **Street Force Operations**

- Water bill flyers handed out
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## **Changed Conditions/Delay/Conflicts Encountered**

• Lightning shutdowns and heavy rains caused approximately 4 hours and 45 minutes of down time

# **Visitors/Discussions**

Theo Von Wallmenich

# Planned Work for Tomorrow (7/13)

Clearing:



#### Excavation:





#### Backfill:

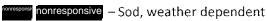




#### Restoration:



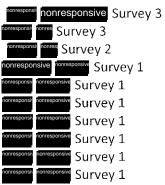
#### Plants and Sod:



### Trees and stumps:

None

#### Surveys:



### **Private Utility Locates:**

None

### Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84<sup>th</sup> St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

### Dunneback, Michael

From:

Drexler, Timothy

Sent:

Thursday, July 13, 2017 11:29 AM

To:

Lehman, Michael/MKE; Rolfes, Sarah; Dunneback, Michael

Cc:

Von Wallmenich, Theo/DET; Shanahan, Michael/SAC; Rolfes, Sarah

Subject:

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<Paul.Arps@CH2M.com>; Plsek, Robert/DFW <Robert.Plsek@CH2M.com>; Seaman, Jennifer/CHC

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<Timothy, Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>

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Theo Von Wallmenich

# Planned Work for Tomorrow (7/13)

Clearing:



#### Excavation:

Crew 1: nonresponsi nonresponsi — Continue

Crew 2: nonresponsi ronresponsive - Continue

### Backfill:

Crew 1: nonresponsi nonresponsive Topsoil – Continue

Crew 2: foresponsi foresponsive - Start

#### Restoration:



#### Plants and Sod:

nonresponsive — Sod, weather dependent

### Trees and stumps:

None

### Surveys:



### **Private Utility Locates:**

None

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9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84<sup>th</sup> St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

### Dunneback, Michael

From:

Drexler, Timothy

Sent:

Thursday, July 13, 2017 11:29 AM

To:

Lehman, Michael/MKE; Rolfes, Sarah; Dunneback, Michael

Cc: Subject: Von Wallmenich, Theo/DET; Shanahan, Michael/SAC; Rolfes, Sarah RE: USS Lead Daily Zone 3 Field Progress Report 7-12-17

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Theo Von Wallmenich

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Crew 2: nonresponsi nonresponsive — Continue

Backfill:

Crew 2: nonrespons Topsoil – Continue forresponsive – Start

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### Trees and stumps:

None

### Surveys:



### **Private Utility Locates:**

None

### Importing Backfill:

9 +/- Loads Common Backfill 1 Load Peat

Michael Lehman Construction Manager D 1 414 847 0327 M 1 414 687 6665

CH2M 135 S 84<sup>th</sup> St, Suite 400 Milwaukee, WI 53214 USA www.ch2m.com | LinkedIn | Twitter | Facebook

### Dunneback, Michael

From:

Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>

Sent:

Friday, June 30, 2017 9:57 AM

To:

Dunneback, Michael; Drexler, Timothy; Rolfes, Sarah

Cc:

Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE;

Roberts, Lynn/DEN

Subject:

RE: Four Additional New Priority Z3 designs for 2017 Substitution

Thank you Mike and Tim.

We will proceed accordingly.

Thanks, Theo

From: Dunneback, Michael [mailto:dunneback.michael@epa.gov]

Sent: Friday, June 30, 2017 9:52 AM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>; Drexler, Timothy < drexler.timothy@epa.gov>;

Rolfes, Sarah < Rolfes. Sarah@epa.gov>

Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts,

Lynn/DEN < Lynn.Roberts@ch2m.com>

Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution [EXTERNAL]

Good Morning Paul and Theo,

The proposed property swaps included in your e-mail below are acceptable to EPA. Please proceed with the necessary changes to the construction schedule to incorporate the "substitute-in" properties and removal of the "substitute-out" properties.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Wednesday, June 28, 2017 6:47 AM

**To:** Dunneback, Michael <<u>dunneback.michael@epa.gov</u>>; Drexler, Timothy <<u>drexler.timothy@epa.gov</u>>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Cc: Arps, Paul/MKE < Paul.Arps@CH2M.com >; Watkins, Timothy/DET < Timothy.Watkins@CH2M.com >; Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Roberts, Lynn/DEN < Lynn.Roberts@ch2m.com >

Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution

Thanks Tim. We have identified four additional "substitute-out" properties and added them to the original four (6/23/17 Email from me to this group) in the table below for a total of <u>eight</u> proposed properties to substitute-out from 2017 for the eight higher priority properties that EPA would like to substitute in for 2017.

We discussed on Tuesday 6/27 that the RD drawings for these eight properties provided in your Emails as noted in the revised table below are the EPA-approved final RD drawings from SulTRAC, and I will contact Rik separately to obtain the signed RA access agreements for these eight properties. We will then incorporate the change into Arrowhead's subcontract and proceed with the eight new properties in 2017, and remove the eight "substitute-out" properties from 2017.

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive 42 nonresponsive
nonresponsii nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsi
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsiv
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsiv
nonresponsive	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsive 30 nonresponsive
nonresponsive 19 nonresponsive	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsive
nonresponsive nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive
nonresponsive 36 nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	None.
nonresponsive	Awaiting data	N/A

N.b.: The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

Theo von Wallmenich Senior Project Manager D 1 989 285 1515 M 1 517 483 3015

CH2M 41850 West 11 Mile Road, Ste. 101 Novi, MI 48375 www.ch2m.com

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Monday, June 26, 2017 2:30 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich @ CH2 M.com >

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com>

Subject: FW: New Priority Z3 designs [EXTERNAL]

Hi Theo: Some newly defined priority properties that we need to work into the 2017 schedule.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Friday, June 16, 2017 10:15 AM
To: Rolfes, Sarah < Rolfes.Sarah@epa.gov>

Cc: Drexler, Timothy <drexler.timothy@epa.gov>; Matt Bizjack<mbizjack@scst.com>; Jacki Shepherd

<jshepherd@scst.com>; Chris Ore <core@scst.com>

Subject: New Priority Z3 designs

All: Attached please find four remedial designs for Z3. Three of these are new:

Zone 3 properties - newly identified priorities, designs submitted 6/16 (3):

<sup>nonresponsi</sup> nonresponsi	ive – sensitive population, contamination in top 6 inches	of soil (Alcamo e-mail 5/31)
nonresponsive nonresponsive	St – sensitive population, contamination in top 6 inches	of soil
nonresponsiv	sensitive population, contamination in top 6 inches of	soil
e fourth is a desig	n for oneseed Grasselli that we previously submitted on 4/4	. The revised design shows ar

The fourth is a design for Grasselli that we previously submitted on 4/4. The revised design shows an area that we believe should be restored with gravel, no other changes. This is a gray area – restoration of particular areas with gravel or mulch is typically decided at the time of the meeting with the property owner. However, in this case, the area is currently covered with gravel and is at the back a building that runs up to the alley, so it seems clear that it should remain gravel-covered rather than restored with sod, and we have depicted as much on the revised design. Since we'll do the rest of the designs with unambiguous gravel areas shown this way (there aren't all that many), we thought we ought to resubmit this one for consistency.

Please feel free to call with any questions or concerns.

Thanks, Rik

Rik Lantz, P.G., LEED-AP Director of Environmental Services



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C: 312.636.2614 D: 312.265.6125

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From:

Dunneback, Michael

Sent:

Friday, June 30, 2017 8:52 AM

To:

Von Wallmenich, Theo/DET; Drexler, Timothy; Rolfes, Sarah

Cc:

Arps, Paul/MKE; Watkins, Timothy/DET; Shanahan, Michael/SAC; Lehman, Michael/MKE; Roberts, Lynn/DEN

Subject:

RE: Four Additional New Priority Z3 designs for 2017 Substitution

### Good Morning Paul and Theo,

The proposed property swaps included in your e-mail below are acceptable to EPA. Please proceed with the necessary changes to the construction schedule to incorporate the "substitute-in" properties and removal of the "substitute-out" properties.

Cordially,

### Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Wednesday, June 28, 2017 6:47 AM

To: Dunneback, Michael <dunneback.michael@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC

<Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>

Subject: RE: Four Additional New Priority Z3 designs for 2017 Substitution

Thanks Tim. We have identified four additional "substitute-out" properties and added them to the original four (6/23/17 Email from me to this group) in the table below for a total of <u>eight</u> proposed properties to substitute-out from 2017 for the eight higher priority properties that EPA would like to substitute in for 2017.

We discussed on Tuesday 6/27 that the RD drawings for these eight properties provided in your Emails as noted in the revised table below are the EPA-approved final RD drawings from SulTRAC, and I will contact Rik separately to obtain the signed RA access agreements for these eight properties. We will then incorporate the change into Arrowhead's subcontract and proceed with the eight new properties in 2017, and remove the eight "substitute-out" properties from 2017.

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive 42 nonresponsive
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsive
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsi
nonresponsive	RD dwg done and EPA-approved (Drexler 6/26/17 Email; see below).	nonresponsit nonresp
nonresponsi	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsive 30 nonresponsive
nonresponsive 19 nonresponsive	RD dwg done and EPA-approved (Drexler 5/24/17 Email).	nonresponsiti nonresponsive
nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsive nonresponsive
nonresponsive 36 nonresponsive	RD dwg done and EPA-approved (Drexler 5/30/17 Email).	nonresponsit nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R Lanz Email	None,
nonresponsive	Awaiting data	N/A

N.b.: The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

Theo von Wallmenich Senior Project Manager D 1 989 285 1515 M 1 517 483 3015

CH2M 41850 West 11 Mile Road, Ste. 101 Novi, MI 48375 www.ch2m.com

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Monday, June 26, 2017 2:30 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com>

**Subject:** FW: New Priority Z3 designs [EXTERNAL]

Hi Theo: Some newly defined priority properties that we need to work into the 2017 schedule.

-Tim

From: Rik Lantz [mailto:rlantz@scst.com]
Sent: Friday, June 16, 2017 10:15 AM
To: Rolfes, Sarah < Rolfes. Sarah@epa.gov>

Cc: Drexler, Timothy <a href="mailto:creamble-right-new-

All: Attached please find four remedial designs for Z3. Three of these are new:

Zone 3 properties - newly identified priorities, designs submitted 6/16 (3):

responsive sensitive population, contamination in top 6 inches of soil

St – sensitive population, contamination in top 6 inches of soil

nonresponsive sensitive population, contamination in top 6 inches of soil (Alcamo e-mail 5/31)

# The fourth is a design for Grasselli that we previously submitted on 4/4. The revised design shows an area that we believe should be restored with gravel, no other changes. This is a gray area – restoration of particular areas with gravel or mulch is typically decided at the time of the meeting with the property owner. However, in this case, the area is currently covered with gravel and is at the back a building that runs up to the alley, so it seems clear that it should remain gravel-covered rather than restored with sod, and we have depicted as much on the revised design. Since we'll do the rest of the designs with unambiguous gravel areas shown this way (there aren't all that many), we thought we ought to resubmit this one for consistency. Please feel free to call with any questions or concerns.

Director of Environmental Services

Rik Lantz, P.G., LEED-AP

Thanks, Rik

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From:

Dunneback, Michael

Sent:

Tuesday, June 27, 2017 1:13 PM

To: Cc: Drexler, Timothy Rolfes, Sarah

Subject:

FW: USS Lead Zone 3, Four Additional Proposed Property Substitutions for 2017

Tim,

I take no issue with the 4 proposed swap outs but wanted to check with you first to (1) make sure you were in agreement, and (2) have the design drawings for the properties to be subbed in.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone – (312) 886-7523

From: Von Wallmenich, Theo/DET [mailto:Theo.VonWallmenich@CH2M.com]

Sent: Friday, June 23, 2017 3:23 PM

To: Dunneback, Michael <dunneback.michael@epa.gov>; Drexler, Timothy <drexler.timothy@epa.gov>; Rolfes, Sarah <Rolfes.Sarah@epa.gov>

Cc: Arps, Paul/MKE <Paul.Arps@CH2M.com>; Watkins, Timothy/DET <Timothy.Watkins@CH2M.com>; Shanahan, Michael/SAC

<Michael.Shanahan@CH2M.com>; Lehman, Michael/MKE <Michael.Lehman@CH2M.com>; Roberts, Lynn/DEN <Lynn.Roberts@ch2m.com>

Subject: USS Lead Zone 3, Four Additional Proposed Property Substitutions for 2017

Mike, Tim and Sarah,

Per our status call this week, here is the table summarizing the properties we would suggest substituting-out for the 4 higher priority properties that EPA would like to substitute in for 2017. The bottom two rows are grayed back because those two properties do not appear ready to substitute in at this time.

If you agree, please provide the approved final RD drawings from SulTRAC and the signed RA access agreements. We will then incorporate the change into Arrowhead's subcontract and proceed with the new properties in 2017.

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 30 nonresponsive
nonresponsive 19 honresponsive	RD dwg done. Ready to receive from CO	nonresponsive
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi nonresponsive
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email.	None.
nonresponsive	Awaiting data	N/A

Thanks, Theo

Theo von Wallmenich Senior Project Manager D 1 989 285 1515 M 1 517 483 3015

CH2M 41850 West 11 Mile Road, Ste. 101 Novi, MI 48375 www.ch2m.com

From:

Von Wallmenich, Theo/DET ≮Theo.VonWallmenich@CH2M.com>

Sent:

Friday, June 09, 2017 7:41 AM

To:

Dunneback, Michael; Drexler, Timothy

Cc:

Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET

Subject:

RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave

Tim and Mike,

Shortly after sent the below Email, we got word that nonesponsive would like to set up a pre-construction meeting. We conducted the meeting and now 10 nonresponsive is back in 2017. It's good news that we have a response from them, and we will work to find a new proposed substitute-out property for that one. Currently, proposed substitute-out of 2017 list looks like this:

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsi	RD dwg done. Ready to receive from CO	nonresponsive
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi nonres
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	noniresponsive 30 nonresponsive
nonresponsit nonresponsive	Awaiting data	N/A

Thanks, Theo

From: Von Wallmenich, Theo/DET Sent: Thursday, June 08, 2017 5:14 PM

To: Dunneback.Michael@epamail.epa.gov; Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael. Lehman@CH2M.com >; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>

Subject: RE: Z3 Final Designs for onesponsive on nonresponsive St and onesponsive Ave [EXTERNAL]

Tim and Mike,

Based on our weekly RA call today and the Carrie Gosch School meeting on Tuesday the following properties are proposed to remove from the 2017 work instead of formesponsi formesponsive and

- nonresponsive
- o nonresponsive 30 nonresponsive

Consequently onesponsive and onesponsive and onesponsive would stay in the 2017 work; and the substitutions would look like this:

Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 10 nonresponsive
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	nonresponsive 30 nonresponsive
nonresponsi nonresponsive	Awaiting data	N/A

Thanks, Theo

From: Von Wallmenich, Theo/DET Sent: Monday, June 05, 2017 5:31 PM

To: Dunneback.Michael@epamail.epa.gov; Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael. Lehman@CH2M.com >; Watkins, Timothy/DET

<<u>Timothy.Watkins@CH2M.com</u>>; Arps, Paul/MKE <<u>Paul.Arps@CH2M.com</u>>; Clark, Julie/DET <<u>Julie.Clark@CH2M.com</u>>

Subject: RE: Z3 Final Designs for nonresponsive on nonresponsive St and nonresponsive Ave [EXTERNAL]

Tim and Mike,

Based on new information today (we were contacted unexpectedly by the owner of one of

Thanks, Theo

From: Von Wallmenich, Theo/DET Sent: Friday, June 02, 2017 10:41 AM

To: 'Drexler, Timothy' < <a href="mailto:drexler.timothy@epa.gov">dunneback.michael@epa.gov</a> <a href="mailto:dunneback.michael@epa.gov">dunneback.michael@epa.gov</a> >

Cc: Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Watkins, Timothy/DET

<<u>Timothy.Watkins@CH2M.com</u>>; Arps, Paul/MKE <<u>Paul.Arps@CH2M.com</u>>; Clark, Julie/DET <<u>Julie.Clark@CH2M.com</u>> **Subject:** RE: Z3 Final Designs for foresponsive St and foresponsive St and foresponsive Ave [EXTERNAL]

Tim and Mike,

As requested we reviewed the proposed 2017 property substitutions, and have summarized in the table below the design and construction status of the proposed substitutions. Essentially, we agree with substituting out but we would recommend alternative substitute-out properties as noted in the table below based on current construction status.

Also, please transmit the RA access agreements and approved final design drawings with the technical direction for the property substitutions.

Substitute-In	Design Status	Proposed Sub-Out	Construction Status of Proposed Sub-Out
nonresponsi	RD dwg done. Ready to receive from CO	nonresponsive 28 nonres	Pre-construction completed
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 10 nonresponsive	Planned for July
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive	No pre-con mtg yet; XRF for over-ex.
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsif nonresponsive	Pre-construction completed; Type 2 soils.
4742-56 Carey (Church)	RD dwg done. Conflicting information if high prioirty per R.Lanz Email	nonresponsive	Pre-construction completed
nonresponsive	Awaiting data	None identified	N/A

Thanks, Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: FW: Z3 Final Designs for nonresponsive St and responsive St and St and

Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

From: Matt Bizjack [mailto:mbizjack@scst.com]

Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy < drexler.timothy@epa.gov>

Cc: Rik Lantz <<u>rlantz@scst.com</u>>; Jacki Shepherd <<u>ishepherd@scst.com</u>>; Carlos Menor Salazar <<u>cmenorsalazar@scst.com</u>>

Subject: Z3 Final Designs for portesponsive Information Informatio

Hi Tim,

Attached are final designs for two of the remaining Z3 high priority properties. These are now considered final and ready to be swapped for properties for the 2017 construction season. We have one more Zone 3 priority property waiting on finalized data ( St).

Based on size of property, timing of remediation, and concentrations, we recommend the following substitutions of the properties that are included among the 120 Z3 properties that you are currently working on in Z3:

- framework of the second of t
  - O Substitute of the contemporary of the contem
- - Substitute or Su
    - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack Staff Geologist



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SCST, Inc. 125 S. Wacker Drive, Suite 220 Chicago, IL 60606

Phone: 708.668.7606 Fax: 312.658.1142

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From: Rik Lantz

Sent: Tuesday, May 23, 2017 11:36 AM

To: drexler.timothy@epa.gov

Cc: Matt Bizjack <mbizjack@scst.com>; David Howard <dhoward@scst.com>; Leo Larson <llarson@scst.com>

**Subject:** substitutions for new Z3 high priority properties

Tim: When we spoke last week, we discussed switching out some of the existing 120 Z3 properties that ch2m is working on for the five new Z3 priority properties. We assumed that much of the June work is already in progress, so we limited the possible substitution properties to those starting in July, based on the schedule you sent. From there, we chose properties with similar excavation volume, and checked concentrations to make sure we were selecting properties that can be pushed off until next year without an undue health risk, so we could fit in the priorities that pose a more immediate health risk.

We had no issues finding suitable substitution properties, except for [195 CY], [195 CY], [195 CY], [195 CY], and [195 CY], a pretty big spread.

Among these, so is the best choice in terms of volume, but it does have high concentrations at depth. My take on it is that since the surface is pretty clean, we should move forward with using so as a substitute for so as a substitute for some pretty contaminated soil in place for another year, since it is at depth and the surface is below criteria? The other two properties have relatively low concentrations (see below):

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6-12 inches	336	18	611	19
12-18 inches	1342	53.3	1651	54.3
18-24 inches	24%5	122	1975	MS
24-30 inches	Native Saled (NS)	Nikisio Sansi (NS)	Naxae Sand (NS)	Multive Sand (NS)
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## 4937 Euclid (156 CY)

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Thanks, Rik

From:

Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Sent:

Thursday, June 08, 2017 4:14 PM Dunneback, Michael; Drexler, Timothy

To: Cc:

Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET

Subject:

RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave

Tim and Mike,

Based on our weekly RA call today and the Carrie Gosch School meeting on Tuesday the following properties are proposed to remove from the 2017 work instead of properties are proposed and properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are proposed to remove from the 2017 work instead of properties are pr

nonresponsive

nonresponsive 30 nonresponsive

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Substitute-In for 2017	Design Status of Substitute-In	Proposed Substitute-Out of 2017
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive nonresponsive
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 10 nonresponsive
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi nonres
4742-56 Carey (Church)	RD dwg done. Conflicting information if high priority per R.Lanz Email	nonresponsive 30 nonresponsive
nonresponsiv	Awaiting data	N/A

Thanks, Theo

From: Von Wallmenich, Theo/DET Sent: Monday, June 05, 2017 5:31 PM

To: Dunneback.Michael@epamail.epa.gov; Timothy Drexler (drexler.timothy@epa.gov) <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael. Lehman@CH2M.com >; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>

Subject: RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave [EXTERNAL]

Tim and Mike,

Based on new information today (we were contacted unexpectedly by the owner of order order of order order of order order of order order of order	e are
now recommending to keep onesponsive and the nonresponsive Street properties shown below in the plan for 2017. Revised Alternative Substitute-Out properties	operties
shown below in red.	

Thanks, Theo

From: Von Wallmenich, Theo/DET Sent: Friday, June 02, 2017 10:41 AM

To: 'Drexler, Timothy' < <a href="mailto:drexler.timothy@epa.gov">dunneback.michael@epa.gov</a> / <a href="mailto:dunneback.michael@epa.gov">dunneback.michael@epa.gov</a>

Cc: Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael.Lehman@CH2M.com >; Watkins, Timothy/DET

<<u>Timothy.Watkins@CH2M.com</u>>; Arps, Paul/MKE <<u>Paul.Arps@CH2M.com</u>>; Clark, Julie/DET <<u>Julie.Clark@CH2M.com</u>>

Subject: RE: Z3 Final Designs for nonresponsive on nonresponsive St and stand nonresponsive Ave [EXTERNAL]

Tim and Mike,

As requested we reviewed the proposed 2017 property substitutions, and have summarized in the table below the design and construction status of the proposed substitutions. Essentially, we agree with substituting out table below based on current construction status.

Also, please transmit the RA access agreements and approved final design drawings with the technical direction for the property substitutions.

Substitute-In	Design Status	Proposed Sub-Out	Construction Status of Proposed Sub-Out
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 28 nonres	Pre-construction completed
nonresponsive 19 honresponsive	RD dwg done. Ready to receive from CO	nonresponsive 10 nonresponsive	Planned for July
nonresponsive	RD dwg done. Ready to receive from CO	nonresponsiv	No pre-con mtg yet; XRF for over-ex.
nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive	Pre-construction completed; Type 2 soils.
4742-56 Carey (Church)	RD dwg done. Conflicting information if high prioirty per R.Lanz Email	nonresponsi nonresponsive	Pre-construction completed
nonresponsive	Awaiting data	None identified	N/A

Thanks, Theo From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com >

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com>

Subject: FW: Z3 Final Designs for nonresponsive St and nonresponsive St and nonresponsive 436 nonresponsive Ave [EXTERNAL]

Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

From: Matt Bizjack [mailto:mbizjack@scst.com]

Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy < drexler.timothy@epa.gov>

Cc: Rik Lantz <rlantz@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Carlos Menor Salazar <cmenorsalazar@scst.com>

Subject: Z3 Final Designs for nonresponsive St and or 36 Grasselli Ave

Hi Tim,

Attached are final designs for two of the remaining Z3 high priority properties. These are now considered final and ready to be swapped for properties for the 2017 construction season. We have one more Zone 3 priority property waiting on finalized data (Torresponsi Torresponsion)

Based on size of property, timing of remediation, and concentrations, we recommend the following substitutions of the properties that are included among the 120 Z3 properties that you are currently working on in Z3:

- nonresponsive St elevated concentrations in 0-6 inches of back yard, and indication of sensitive population on access agreement (7 yd³ total excavation)
  - O Substitute of the clean at surface, marginal contamination at 6-12" (10 yd total excavation)
- 36  $\frac{\text{formesponsive}}{\text{Ave}}$  Ave Pb >= 1200 and As >= 68 in 0-6 inches (192 yd<sup>3</sup> total excavation)
  - O Substitute of the contract o
    - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack Staff Geologist



SDVOSB . DVBE Environmental Science & Engineering | Geotechnical Engineering Special Inspection & Materials Testing | Facilities Consulting www.scst.com

SCST, Inc. 125 S. Wacker Drive, Suite 220 Chicago, IŁ 60606

Phone: 708.668.7606 Fax: 312.658.1142

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From: Rik Lantz

Sent: Tuesday, May 23, 2017 11:36 AM

To: drexler.timothy@epa.gov

Cc: Matt Bizjack <mbizjack@scst.com>; David Howard <dhoward@scst.com>; Leo Larson <llarson@scst.com>

Subject: substitutions for new Z3 high priority properties

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nonresponsive (195 CY)

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Thanks, Rik

From:

Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Sent: To: Monday, June 05, 2017 4:31 PM

10.

Dunneback, Michael; Drexler, Timothy

Cc:

Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET

Subject:

RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave

Tim and Mike,

Based on new information today (we were contacted unexpectedly by the owner of new recommending to keep now recommending to keep and the norresponsive of shown below in the plan for 2017. Revised Alternative Substitute-Out properties shown below in red.

Thanks, Theo

From: Von Wallmenich, Theo/DET

Sent: Friday, June 02, 2017 10:41 AM

To: 'Drexler, Timothy' <drexler.timothy@epa.gov>; 'dunneback.michael@epa.gov' <dunneback.michael@epa.gov>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >; Lehman, Michael/MKE < Michael. Lehman@CH2M.com >; Watkins, Timothy/DET

<Timothy.Watkins@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>; Clark, Julie/DET <Julie.Clark@CH2M.com>

Subject: RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave [EXTERNAL]

Tim and Mike,

As requested we reviewed the proposed 2017 property substitutions, and have summarized in the table below the design and construction status of the proposed substitutions. Essentially, we agree with substituting out but we would recommend alternative substitute-out properties as noted in the table below based on current construction status.

Also, please transmit the RA access agreements and approved final design drawings with the technical direction for the property substitutions.

Substitute-In	Design Status	Proposed Sub-Out	Construction Status of Proposed Sub-Out
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 28 nonres	Pre-construction completed
nonresponsive 19 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive 10 nonresponsive	Planned for July
nonresponsive nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi	No pre-con mtg yet; XRF for over-ex.

nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsi	Pre-construction completed; Type 2 soils.
4742-56 Carey (Church)	RD dwg done. Conflicting information if high prioirty per R.Lanz Email	nonresponsi	Pre-construction completed
nonresponsi	Awaiting data	None identified	N/A

Thanks,

Theo

**From:** Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: FW: Z3 Final Designs for nonresponsive St and nonresponsive Ave [EXTERNAL]

Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

From: Matt Bizjack [mailto:mbizjack@scst.com]

Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy <a href="mailto:drexler.timothy@epa.gov">drexler.timothy@epa.gov</a>

Cc: Rik Lantz < rlantz@scst.com >; Jacki Shepherd < ishepherd@scst.com >; Carlos Menor Salazar < cmenorsalazar@scst.com >

Subject: Z3 Final Designs for framesponsive and framesponsive St and framesponsive Ave

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Attached are final designs for two of the remaining Z3 high priority properties. These are now considered final and ready to be swapped for properties for the 2017 construction season. We have one more Zone 3 priority property waiting on finalized data ( St).

Based on size of property, timing of remediation, and concentrations, we recommend the following substitutions of the properties that are included among the 120 Z3 properties that you are currently working on in Z3:

- more possive st elevated concentrations in 0-6 inches of back yard, and indication of sensitive population on access agreement (7 yd<sup>3</sup> total excavation)
  - Substitute or State of St clean at surface, marginal contamination at 6-12" (10 yd total excavation)
- $\frac{1}{2}$  36 nonresponsive Ave Pb >= 1200 and As >= 68 in 0-6 inches (192 yd total excavation)

- O Substitute foresponsive Ave clean at surface, dirty at depth (195 yd³ total excavation)
  - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack Staff Geologist



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	ACCUSE OF THE STREET			
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g : Ensempled ( the Piper Challent ) if	uk - Nachimentoka (* - Lehorenay fiz	navanet péé dota	** November of the state of the	

(229 CY)		**************************************		
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24-30 inches	Native Sand (195)	Native Sand (NS)	642	47

(T20	CIJ			
		nonrespon (LIXIX) AVC		
Dapth	Front-Lead	Front - Arsenic	Back Lead	Back - Arsenic
0-6 inches	26	63.	203	59
6-12 inches	208	27 J	130	59 J
12-18 inches	56	18.j	330	43.7.
18-24 inches	Native Sand (NS)	Native Spent (NS)	Native Speci (NS)	Native Sand (NS)
24-30 inches	Mare Sant (188)	Native Sand (NS)	Native Sawi (NS)	HARVE SARKENS

Thanks, Rik

From:

Von Wallmenich, Theo/DET <Theo.VonWallmenich@CH2M.com>

Sent:

Friday, June 02, 2017 9:41 AM

To:

Drexler, Timothy, Dunneback, Michael

Cc:

Shanahan, Michael/SAC; Lehman, Michael/MKE; Watkins, Timothy/DET; Arps, Paul/MKE; Clark, Julie/DET

Subject:

RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave

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nonresponsive 36 nonresponsive	RD dwg done. Ready to receive from CO	nonresponsive	Pre-construction completed; Type 2 soils.
4742-56 Carey (Church)	RD dwg done. Conflicting information if high prioirty per R.Lanz Email	nonresponsive	Pre-construction completed
nonresponsiv	Awaiting data	None identified	N/A

Thanks, Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich@CH2M.com>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com>

Subject: FW: Z3 Final Designs for nonresponsive of and nonresponsive of and state of the state o

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Thanks,

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Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy < <a href="mailto:drexler.timothy@epa.gov">drexler.timothy@epa.gov</a>>

Cc: Rik Lantz <<u>rlantz@scst.com</u>>; Jacki Shepherd <<u>ishepherd@scst.com</u>>; Carlos Menor Salazar <<u>cmenorsalazar@scst.com</u>>

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- Substitute of the sport of the second of
- $\mathbf{Ave} \mathbf{Pb} >= 1200 \text{ and As} >= 68 \text{ in 0-6 inches (192 yd}^3 \text{ total excavation)}$ 
  - O Substitute onesponsi onesponsive Ave clean at surface, dirty at depth (195 yd³ total excavation)
    - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

### Matt Bizjack Staff Geologist



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**Subject:** substitutions for new Z3 high priority properties

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(156 CY)

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24-30 inches		の子できるを含む	Native State (195)	TOP NOW YOUR

Thanks, Rik 4

From:

Arps, Paul/MKE < Paul. Arps@CH2M.com>

Sent:

Wednesday, May 31, 2017 7:31 AM

To: Cc: Dunneback, Michael Dellaria, Christina

Subject:

FW: Z3 Final Designs for for the state of th

nonresponsive St and nonresponsive 36 nonresponsive Ave

### Good Morning Mike,

I am forwarding this note as an FYI at this time, however noting that this is an additional property swap and that we will continue to monitor its impact to the completion target of 120 properties.

Also note the request below for additional data loading. Due to the number of changes/requests we have been receiving that have been outside of our work plan assumptions, I have asked Theo to add these to a new tab into the change log we are submitting to the EPA on a weekly basis. We have been documenting these in our TSRs, but due to the lag in TSR submittal to the changes being encountered we felt the timing of the documentation was a bit too delayed.

Please give me a call if you have any questions. We can also discuss this during our weekly RA call tomorrow.

### Thanks!

Paul Aros Program Manager Manager of Projects National Government Client Sector D 414 847 0259 M 262 617 7762

CH2M 135 S. 84th Street Milwaukee, WI 53214

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Want to join our world-class team? We're hiring!

From: Von Wallmenich, Theo/DET **Sent:** Tuesday, May 30, 2017 5:15 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC <Michael.Shanahan@CH2M.com>; Arps, Paul/MKE <Paul.Arps@CH2M.com>

Subject: RE: Z3 Final Designs for nonresponsive St and nonresponsive 36 nonresponsive Ave [EXTERNAL]

Thanks Tim. At first glance I don't see any major issues, but have asked the field team for their input as well on logistics/implementation, and will get back to you with any additional input. Mike D. mentioned at our weekly RA call last week that he is thinking to send all the "swaps" at once to have all the formal change direction paperwork in one place. This should also make it easier to convey the change to Arrowhead.

Also, I got your voice mail on uploading Parson's waste soil disposal data to Scribe, and have asked Adrienne for her input on that process. Again, I don't immediately see a big issue with it, but it's not in our Work Plan assumptions so I will let you know what, if any, impacts there might be after I hear from Adrienne and will document in TSR as appropriate.

Thanks,

### Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < Theo. Von Wallmenich @ CH2M.com >

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: FW: Z3 Final Designs for nonresponsive St and nonresponsive Ave [EXTERNAL]

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<cmenorsalazar@scst.com>

Subject: Z3 Final Designs for nonresponsive St and sourcesponsive 36 nonresponsive Ave

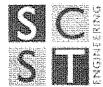
Hi Tim,

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- monresponsive St elevated concentrations in 0-6 inches of back yard, and indication of sensitive population on access agreement (7 yd³ total excavation)
  - O Substitute of St clean at surface, marginal contamination at 6-12" (10 yd3 total excavation)
- Torresponsive 36 Grasselli Ave Pb >= 1200 and As >= 68 in 0-6 inches (192 yd³ total excavation)
  - O Substitute Occasional Ave clean at surface, dirty at depth (195 yd3 total excavation)
    - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

### Matt Bizjack Staff Geologist



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We had no issues finding suitable substitution properties, except for onesponsive (192 CY). The only available properties near that volume are onesponsive (195 CY), onesponsive (196 CY), and onesponsive (229 CY), a pretty big spread.

Among these, is the best choice in terms of volume, but it does have high concentrations at depth. My take on it is that since the surface is pretty clean, we should move forward with using as a substitute for 600 - 36 000 (192 CY), but I want to check your read on it. What do you think – big difference in volume or leave some pretty contaminated soil in place for another year, since it is at depth and the surface is below criteria? The other two properties have relatively low concentrations (see below):

### nonresponsive<sub>195 CY)</sub>

Sample Oata (concentrations shown in milligrams per tilistram make)				
	AND ADDRESS AND AD	nonresponsive		
Depth	Front-Lead	From - Arsenic	Back - Lead	Back - Arsenic
0-6 inches	179	151	201	\$7 kj
6-72 mshes	332	të	515	3.9·
12-18 inches	1342	54.3	HŠt	14.1
16-24 inches	7475	1/2	1.23	148
24-30 inches	Native Sund (NS)	Nation Sand (US)	Makes Sept (NS)	Mathie Salai (NS)
Consider the Secretary Secretary of Consider of Consideration and Secretary Secre				

### (229 CY)

	nder programme er en	nonresponsive		
Depin	Front Least	Front - Arsenic	Back - Lead	Back - Arsenic
0.6 miles	213	- 116		48
6-12 mones	1114	ř.j	749	हैं <del>व</del> ें
- 12-18 inches	81	S T	KÇ.	<u> </u>
16-24 mytes	Nation Sand (NS)	Autor Sprifts	54.1	42
34-30 antes	Native Sand (NS)	Harve Stead (NS)	64.2	a)i

nonresponsive (156 CY)

nonresponsive					
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6-12 exhes	23	77.1	130	£9.j	
12-18 MUNS	€.	18.J	350	43.1	
18-24 inches	Notice Sand (NS)	Native Sand (NS)	Natur Sard (NS)	Native Save (NS)	
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Thanks, Rik

From:

Dunneback, Michael

Sent:

Wednesday, May 31, 2017 7:37 AM

To:

Arps, Paul/MKE

Cc:

Dellaria, Christina

Subject:

RE: Z3 Final Designs for nonresponsive on nonresponsive St and nonresponsive Ave

### Paul.

Thank you for providing this information. I will review it and we can discuss further tomorrow, if necessary. I'm slowly losing my voice so I've been trying to avoid the phone as much as possible, but I will be on for tomorrow.

Cordially,

Mike Dunneback

Contracting Officer U.S. EPA Region 5 Mail Code MCC-10J 77 W. Jackson Blvd. Chicago, IL 60604 Phone - (312) 886-7523

From: Arps, Paul/MKE [mailto:Paul.Arps@CH2M.com]

Sent: Wednesday, May 31, 2017 7:31 AM

To: Dunneback, Michael <dunneback.michael@epa.gov> Cc: Dellaria, Christina < Dellaria. Christina@epa.gov>

Subject: FW: Z3 Final Designs for nonresponsive St and

Good Morning Mike,

I am forwarding this note as an FYI at this time, however noting that this is an additional property swap and that we will continue to monitor its impact to the completion target of 120 properties.

Also note the request below for additional data loading. Due to the number of changes/requests we have been receiving that have been outside of our work plan assumptions, I have asked Theo to add these to a new tab into the change log we are submitting to the EPA on a weekly basis. We have been documenting these in our TSRs, but due to the lag in TSR submittal to the changes being encountered we felt the timing of the documentation was a bit too delayed.

Please give me a call if you have any questions. We can also discuss this during our weekly RA call tomorrow.

### Thanks!

Paul Arns Program Manager Manager of Projects National Government Client Sector D 414 847 0259 M 262 617 7762

CH2M 135 S. 84<sup>th</sup> Street Milwaukee, WI 53214

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Want to join our world-class team? We're hiring!

**From:** Von Wallmenich, Theo/DET **Sent:** Tuesday, May 30, 2017 5:15 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Shanahan, Michael/SAC < Michael.Shanahan@CH2M.com >; Arps, Paul/MKE < Paul.Arps@CH2M.com >

Subject: RE: Z3 Final Designs for nonresponsive St and nonresponsive Ave [EXTERNAL]

Thanks Tim. At first glance I don't see any major issues, but have asked the field team for their input as well on logistics/implementation, and will get back to you with any additional input. Mike D. mentioned at our weekly RA call last week that he is thinking to send all the "swaps" at once to have all the formal change direction paperwork in one place. This should also make it easier to convey the change to Arrowhead.

Also, I got your voice mail on uploading Parson's waste soil disposal data to Scribe, and have asked Adrienne for her input on that process. Again, I don't immediately see a big issue with it, but it's not in our Work Plan assumptions so I will let you know what, if any, impacts there might be after I hear from Adrienne and will document in TSR as appropriate.

Thanks, Theo

From: Drexler, Timothy [mailto:drexler.timothy@epa.gov]

Sent: Tuesday, May 30, 2017 5:03 PM

To: Von Wallmenich, Theo/DET < <a href="mailto:Theo.VonWallmenich@CH2M.com">Theo.VonWallmenich@CH2M.com</a>

Cc: Shanahan, Michael/SAC < Michael. Shanahan@CH2M.com >

Subject: FW: Z3 Final Designs for flooresponsive nonresponsive St and flooresponsive Ave [EXTERNAL]

Hi Theo: Could you look at these for potential swaps and let me know what you think?

Thanks,

-Tim

From: Matt Bizjack [mailto:mbizjack@scst.com]

Sent: Tuesday, May 30, 2017 4:00 PM

To: Drexler, Timothy <drexler.timothy@epa.gov>

Cc: Rik Lantz <rlantz@scst.com>; Jacki Shepherd <jshepherd@scst.com>; Carlos Menor Salazar

<cmenorsalazar@scst.com>

Subject: Z3 Final Designs for nonresponsive St and of nonresponsive 36 nonresponsive Ave

Hi Tim,

Based on size of property, timing of remediation, and concentrations, we recommend the following substitutions of the properties that are included among the 120 Z3 properties that you are currently working on in Z3:

- on access agreement (7 yd³ total excavation)

  on access agreement (7 yd³ total excavation)
  - O Substitute of St clean at surface, marginal contamination at 6-12" (10 yd³ total excavation)
- $^{\text{nonresponsive}}$  36  $^{\text{nonresponsive}}$  Ave Pb >= 1200 and As >= 68 in 0-6 inches (192 yd<sup>3</sup> total excavation)
  - O Substitute of the second of
    - For more details, see Rik's email sent 5/23/2017, copied below.

Thanks,

Matt Bizjack Staff Geologist



SDVOSB . DVBE Environmental Science & Engineering | Geotechnical Engineering Special Inspection & Materials Testing | Facilities Consulting www.scst.com

SCST, Inc. 125 S. Wacker Drive, Suite 220 Chicago, IL 60606

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From: Rik Lantz

Sent: Tuesday, May 23, 2017 11:36 AM

To: drexler.timothy@epa.gov

Cc: Matt Bizjack <mbizjack@scst.com>; David Howard <dhoward@scst.com>; Leo Larson <llarson@scst.com>

**Subject:** substitutions for new Z3 high priority properties

Tim: When we spoke last week, we discussed switching out some of the existing 120 Z3 properties that ch2m is working on for the five new Z3 priority properties. We assumed that much of the June work is already in progress, so we limited the possible substitution properties to those starting in July, based on the schedule you sent. From there, we chose properties with similar excavation volume, and checked concentrations to make sure we were selecting properties that can be pushed off until next year without an undue health risk, so we could fit in the priorities that pose a more immediate health risk.

We had no issues finding suitable substitution properties, except for corresponsive (192 CY). The only available properties near that volume are corresponsive (195 CY), corresponsive (156 CY), and corresponsive (229 CY), a pretty big spread.

Among these, concentrations at depth. My take on it is that since the surface is pretty clean, we should move forward with using conscious as a substitute for concentration on it is that since the surface is pretty clean, we should move forward with using conscious as a substitute for concentration on it is that since the surface is pretty clean, we should move forward with using conscious as a substitute for concentration on it is that since the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using conscious as a substitute for concentration of the surface is pretty clean, we should move forward with using concentration as a substitute for concentration of the surface is pretty clean, we should move forward with using concentration of the surface is pretty clean, we should move for concentration of the surface is pretty clean, and the surface is prett

pretty contaminated soil in place for another year, since it is at depth and the surface is below criteria? The other two properties have relatively low concentrations (see below):

nonresponsive (195	CY)				
Sample Data (concer	trations shows in miligrar	ns per kilogram - mykg)			
		nonresponsive			
Depth	Front - Lead	Front - Assense	Back Lead	Back - Arsenic	
Ç-6 inst <del>e</del> x	178	<b>15</b> ij	Z)	174;	
6-12 pains	333	10	611	10	
12-18 inches	1747	53.5	1654	54.3	
18-24 inches	24%	127	\$47.5	† <b>4</b> 3.	
24-30 inches	Native Sand (NS)	Nation Sand (NS)	Native Sand (NS)	Native Sand (NS)	
J. Patromet (1) - Nov. Cerson (1)	STATE OF THE STATE				

		nonresponsive		
Depth	From Lead	Front - Arsenec	Back - Lead	Back - Arsenic
Q & extens	233	5 <b>\$</b> \( \)	654	45
6-12 mehes	311	8.3	Table	52
12-15 etGets	###	4.3	### <u>*</u>	ţů.
13-24 exten	Nutra Sand (16)	Redson Sand (NS)	<b>!</b>	44
24-30 inches	Native Speed (NS)	Massive Sacret (145)	160	47

(156 CY)					
		nonresponsive			
Orpste		Front - Arsenic	Back Lead	Back - Americ	
(finite)	344	63		\$\$	
6-12 menes	200	27.3	172	59.1	
12-18 extens	<b>9</b> 4	18.3	ΣX	43.)	
\$ - \$ 104,5 ± 5	Native Sand (NS)	Narve Sand (NS)	1425-e 5240 (145)	National (NS)	
24 XI miches	Native Sund 2009	Native Sarid (NS)	Nasta Saki (190)	Native Sardish (5)	
magnification of the support of the					

Thanks, Rik